

National Climatic Data Center

DATA DOCUMENTATION

FOR

DATA SET 9799E (DSI-9799E)

HISTORIC RAINFALL DATA FOR AFRICA - DISKETTES

January 2, 2003

National Climatic Data Center
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1. **Abstract:** The data reside on 16 IBM-compatible diskettes in standard DOS format and were compiled by the Models Branch of the Climate Impact Assessment Division (CIAD) in the Assessment and Information Services Center (AISC) of NESDIS, in cooperation with the Cooperative Institute of Applied Meteorology (CIAM) of the University of Missouri at Columbia.

The precipitation values were derived from the best available sources and have been quality controlled.

Totals and means have been computed and added to the data set. Totals are for annual values of precipitation and are only computed if all 12 months or 36 decades were present. Averages were computed for months and decades from all available data. The mean total is the mean of the annual totals present and will not necessarily be the same as the total of the means because different data may have been used to compute the two sets of values. Only in cases where there is no partial year data will the mean of the total be equal to the total of the means.

For the decadal data the source codes are given after the station data summary. The codes are:

| | |
|---|--|
| M | Missing precipitation or missing source |
| A | AGRHYMET Regional Center |
| H | Country Meteorological Service or Ministry of Agriculture |
| C | Estimated or enhanced data from AISC Climate Assessment Branch |
| E | Estimated data from CIAM |

In all cases the code for missing data is -999 in the data tables. Before the decadal data listing are two ID numbers; the first is the AGRHYMET station number, the second the WMO number.

The files on the diskettes can be listed by using the "TYPE" command followed by the file name.

Note: The monthly data may not be the total of the decadal data

2. **Element Names and Definitions:**

Monthly Data

Three types of records are included in the monthly data files:

Record 1: Identification Record

| <u>Field Position</u> | <u>Description</u> |
|-----------------------|----------------------------|
| 1-16 | Constant "PRECIP (MM) FOR" |
| 17-28 | Country Name |
| 29-35 | Blanks |
| 26-50 | Station Name |
| 51-61 | Blanks |
| 62-66 | WMO Number |
| 67-71 | Blanks |

Record 2: Data Record (-999 indicates Missing Data)

| <u>Field Position</u> | <u>Description</u> |
|-----------------------|--------------------|
|-----------------------|--------------------|

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3:

| | |
|-------|-------------------------|
| 1- 4 | Year (Values 1951-1990) |
| 5 | Blank* |
| 6- 9 | Monthly Value* |
| 65-67 | Blanks |
| 68-71 | Annual Precip Total |

Record 3: Summary Record

| <u>Field Position</u> | <u>Description</u> |
|-----------------------|--------------------|
| 1- 4 | Constant "MEAN" |
| 5 | Blank* |
| 6- 9 | Value* |
| 65-67 | Blanks |
| 68-71 | Mean Total |

* Occurs 12 times through Position 64

Decadal Data

The decadal data file contains 10-Day Precipitation Data and Data Source Information. Both data types contain the same identification information that follows the description of the data as Precipitation or Data Source Code.

Record 1: Identification Record

| <u>Field Position</u> | <u>Description</u> |
|-----------------------|-----------------------|
| 1-10 | Constant "Station = " |
| 11-25 | Station Name |
| 26-44 | Blanks |
| 45-50 | AGRHYMET Number |
| 51-55 | Blanks |
| 56-60 | WMO Number |
| 61-73 | Blanks |

Record 2: Precipitation Data Record

| <u>Field Position</u> | <u>Description</u> |
|-----------------------|----------------------|
| 1- 2 | Blanks |
| 3- 4 | Decade (Values 1-36) |
| 5- 9 | Blanks |
| 10-13 | Value* |
| 14-15 | Blanks* |
| 70-73 | Mean Value |

Record 3: Total Record

| <u>Field Position</u> | <u>Description</u> |
|-----------------------|--------------------|
| 1- 5 | Constant "TOTAL" |
| 6- 9 | Blanks |
| 10-13 | Annual Total* |
| 14-15 | Blanks* |
| 40-73 | |

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4:

* Occurs 10 times through Position 69

Record 4: Data Source Code

| <u>Field Position</u> | <u>Description</u> |
|-----------------------|------------------------------|
| 1- 6 | Blanks |
| 7- 8 | 10 Day Periods (Values 1-36) |
| 9-14 | Blanks |
| 15-23 | Source Code 1951-1959 |
| 24 | Blank |
| 25-34 | Source Code 1960-1969 |
| 35 | Blank |
| 36-45 | Source Code 1970-1979 |
| 46 | Blank |
| 47-56 | Source Code 1980-1989 |
| 57 | Blank |
| 58 | Source Code 1990 |

3. **Start Date:** 19519999

4. **Stop Date:** 19869999

5. **Coverage:** Africa

6. **How to Order Data:**

Ask NCDC's Climate Services about the cost of obtaining this data set.
Phone: 828-271-4800
FAX: 828-271-4876
E-mail: NCDC.Orders@noaa.gov

7. **Archiving Data Center:**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, NC 28801-5001
Phone: (828) 271-4800.

8. **Technical Contact:**

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, NC 28801-5001
Phone: (828) 271-4800.

9. **Known Uncorrected Problems:** No information provided with original documentation.

10. **Quality Statement:** Original documentation states that data were quality controlled. No other information was provided.

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11. **Essential Companion Datasets**: No information provided with original documentation.

12. **References**: No information provided with original documentation.

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